

## ABSTRACT OF THE DISCLOSURE

A communication system in which normal communications can be ensured even upon a loss of synchronization on a part of 5 transmission paths configuring a network.

The system is to perform data communications within a network configured by a plurality of devices. A synchronization detecting section 12 detects a loss of synchronization for data transmission between devices 1 and 2 connected to each other via 10 the network. Upon detection by the synchronization detecting section 12 of the loss of synchronization, a control information retaining section 11 and a switching section 15 included in the device 1 cause a connection with the device 2 to be cut off, and then again cause a connection with the device 2. Upon connection 15 caused by the switching section 15 between the devices 1 and 2, a connection processing section 16 performs a connecting process for enabling data communications between these devices 1 and 2.